

**WHAT IS CLAIMED IS:**

1. An apparatus for reproducing recorded signal comprising:  
a head assembly including a plurality of reproducing heads for each track, said reproducing heads deviating from each other in a track width direction;

a driving device for driving said head assembly in said track width direction; and

a reproduction signal processor for detecting track identification information of a traced track according to a reproduction signal obtained by said plurality of reproducing heads for each of said reproducing heads,

wherein said driving device drives said head assembly in said track width direction using said track identification information and said plurality of reproducing heads trace a target track.

2. The apparatus for reproducing recorded signal according to claim 1, wherein said driving device wobbles said head assembly at a predetermined amplitude in said track width direction;

wherein said reproduction signal processor generates envelope signals for the reproduction signals obtained by said plurality of reproducing heads; and

wherein, after driving said head assembly in said track width direction using said track identification information, said driving device further drives said head assembly in said track width direction to eliminate a wobbling error detected using said envelope signals.

3. The apparatus for reproducing recorded signal according to

claim 1, wherein said driving device wobbles said head assembly at a predetermined amplitude in said track width direction;

wherein said reproduction signal processor generates envelope signals for the reproduction signals obtained by said plurality of reproducing heads; and

wherein, after obtaining a differential in said envelope signals and driving said head assembly in said track width direction using said track identification information, said driving device drives said head assembly in said track width direction to limit said differential to a predetermined range.

4. The apparatus for reproducing recorded signal according to claim 3, wherein after driving said head assembly in said track width direction to limit said differential to the predetermined range, said driving device further drives said head assembly in said track width direction to eliminate a wobbling error detected using said envelope signals.

5. A method for reproducing recorded signal wherein a head assembly includes a plurality of reproducing heads for a track, said reproducing heads deviating from each other in a track width direction, said method comprising the steps of:

detecting track identification information of a traced track according to a reproduction signal obtained by said plurality of reproducing heads for each of said reproducing heads; and

driving said head assembly in said track width direction using said track identification information for said plurality of reproducing heads to trace a target track.

6. The method for reproducing recorded signal according to claim 5, further comprising the steps of:

wobbling said head assembly at a predetermined amplitude in said track width direction;

generating envelope signals for reproduction signals obtained by said plurality of reproducing heads; and

after driving said head assembly in said track width direction using said track identification information, further driving said head assembly in said track width direction to eliminate a wobbling error detected using said envelope signals.

7. The method for reproducing recorded signal according to claim 5, further comprising the steps:

wobbling said head assembly at a predetermined amplitude in said track width direction;

generating envelope signals for reproduction signals obtained by said plurality of reproducing heads; and

after obtaining a differential in said envelope signals and driving said head assembly in said track width direction using said track identification information, further driving said head assembly in said track width direction to limit said differential to a predetermined range.

8. The method for reproducing recorded signal according to claim 7, further comprising the step of, after driving said head assembly in said track width direction to limit said differential to the predetermined range, further driving said head assembly in said track

width direction to eliminate a wobbling error detected using said envelope signals.